

## ABSTRACT

A method and an apparatus for the transformation of a signal on a four-wire line are proposed where the signal comprises of discrete amplitude height levels that are intended for a conversion into a corresponding analog signal with amplitude height levels suitable for a two-wire line and the analog signal is intended for a data communication unit that connects to the two-wire line and which has a predefined amplitude resolution for the analog signal. The amplitude height levels of the signal on the four-wire line are transformed in such a way in the domain of the four-wire line that the number of amplitude height levels which the communication unit can discern in the analog signal match a presetable criterion.